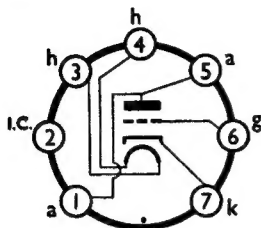




**MINIATURE  
TRIODE  
6·3V INDIRECTLY HEATED**

**L77**  
**OCTOBER, 1951**

**BASE CONNECTIONS AND VALVE DIMENSIONS**



View from underside  
of base.

Bulb : B7G

Base : Tubular.

Overall length : 49—55 mm.

Seated length : 43—49 mm.

Max. diameter 19 mm.

**RATING**

$V_h$	6·3	V
$I_h$	0·15	A
$V_{h-k}$	150 max.	V
$V_a$	300 max.	V
$P_a$	3·5 max.	W

**CAPACITANCES** (of screened valve)

$c_{g-k}$	1·7	pF	$c_{a-k}$	2·6	pF	$c_{g-a}$	2·0	pF
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**TYPICAL OPERATION**

**Class A Amplifier :**

$V_a$	100	250	V
$V_g$	0	—8·5	V
$I_a$	12	10·5	mA
$\mu$	19·5	17	
$r_a$	6·25	7·7	k $\Omega$
$g_m$	3·1	2·2	mA/V

**R.F. Power Amplifier and Oscillator, Class C Telegraphy**

$V_a$	300	V
$V_g$	—27	V
$I_a$	25	mA
$I_g$	7	mA
$P_{drive}$	0·35	W
$P_{out}$	5·5	W

Under maximum rated conditions, the grid circuit resistance must not exceed 0·25 M $\Omega$  with fixed bias or 1 M $\Omega$  with cathode bias.

**MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED**

Head Office: Marconi House, Chelmsford . Telephone: Chelmsford 3221 . Telegraphic Address: Expanse, Chelmsford

**SCREENING**

No internal or external screening is fitted to the valve.

**MICROPHONY**

Although this is of a very low order, equipment should be designed to minimise microphony.

**RETAINING**

A retaining device should be used.

**VENTILATION**

No special precautions.

**MOUNTING**

Any position.

